

EXHIBIT B

**LITTLE SQUALICUM PARK
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SCOPE OF WORK**

PURPOSE

The purpose of this Remedial Investigation/Feasibility Study (RI/FS) Scope of Work (SOW) for the Little Squalicum Park is to implement the Agreed Order (Order) entered into by the Department of Ecology (Ecology) and the City of Bellingham (City), to which this SOW is an Exhibit.

The RI/FS is intended to provide sufficient data, analysis, and evaluations to enable Ecology to select a cleanup action alternative.

The RI/FS Scope of Work (SOW) is divided into five major tasks as follows:

- 1) Progress Reports
- 2) Work Plan
- 3) Sampling and Analysis Plan (includes Quality Assurance Project Plan and Health and Safety Plan)
- 4) Remedial Investigation
- 5) Feasibility Study

The five major tasks listed above and described below will also be managed under a Cooperative Agreement between the City and the Environmental Protection Agency (the EPA) under its Brownfields Program. It is expected that completion of these tasks will be coordinated to include requirements under both the Order and the Cooperative Agreement.

TASK 1 PROGRESS REPORTS

The City shall submit progress reports every two months unless a longer reporting period is approved by Ecology in writing. Progress reports shall be submitted to Ecology until satisfaction of the Order in accordance with section VI of the Order. Progress Reports shall be submitted to the Ecology project coordinator by the 10th of every second month following the effective date of the Order. If this day is a weekend or holiday, deliverables will be submitted to Ecology on the next business day. At a minimum, progress reports shall contain the following information regarding the preceding reporting period:

- A description of the actions which have been taken to comply with the Order and SOW during the previous reporting period;
- An estimate of the percentage of RI/FS work completed to date;
- Summaries of sampling and testing reports and other data reports received by the City;

- Summaries of deviations from approved work plans;
- Summaries of contacts with representatives of the local community, public interest groups, press, and federal, state or tribal government;
- Summaries of problems or anticipated problems in meeting the schedule or objectives set forth in the SOW and Work Plan;
- Summaries of solutions developed and implemented or planned to address any actual or anticipated problems or delays;
- Changes in key personnel; and
- A description of work planned for the next reporting period.

TASK 2 WORK PLAN

In order to plan and manage the RI/FS, the City shall document project tasks and management strategies in a RI/FS Work Plan. This Work Plan shall include an overall description and schedule of all RI/FS activities. The Work Plan shall not be implemented until approved by Ecology.

The Work Plan shall specify and describe all tasks to be accomplished to complete the RI/FS, in accordance with the Order and this SOW. Since standards for freshwater sediment are "Reserved" under WAC 173-204-340, the City shall coordinate closely with Ecology prior to and during Work Plan development in order to clarify site specific requirements.

The Work Plan shall clearly describe the overall project management strategy for implementing and reporting on RI/FS activities. The responsibility and authority of all organizations and key personnel involved in conducting the RI/FS will be outlined.

Elements of the Work Plan include, but are not limited to, the following:

- A project management strategy for achieving timely submittal of high quality deliverables;
- A draft outline of the final RI and FS Reports including the types of data evaluation, figures, and tables that will be included;

- A description of individual RI/FS subtasks; and
- A proposed schedule, including a timeline for completion of all RI/FS subtasks and for submittal to Ecology of interim and final deliverables, including but not limited to the deliverables enumerated in this SOW.

TASK 3 SAMPLING AND ANALYSIS PLAN

The City will prepare for Ecology review and approval a Sampling and Analysis Plan (SAP) which provides specific guidance for field and laboratory methodology. A Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP) shall also be submitted as appendices to the SAP. The HASP is not subject to Ecology approval. Details of these plans are provided below.

Sampling and Analysis Plan - The City shall prepare a SAP for RI sampling and analysis activities in accordance with WAC 173-340-820, WAC 173-204-600, and the Sediment Sampling and Analysis Appendix, as updated. The purpose of the SAP is to provide an overview of the RI sampling program that will obtain information needed to meet the data needs described in Task 4 of the SOW.

The SAP shall provide a review of existing and available data to support the development of RI/FS tasks which may include, as appropriate, the following:

- a. Soil, surface water and groundwater data, including contaminant concentrations and conventional parameters, depths and location of samples, and comparison to MTCA;
- b. hydrogeologic data;
- c. sediment chemical and biological data, including contaminant concentrations and conventional parameters, depths and locations of samples, and comparison to MTCA, SMS and Water Quality standards;
- d. location and composition of current and historical contaminant sources;
- e. current property ownership and zoning;
- f. current or planned land uses and their location, which may affect investigation and cleanup activities;
- g. historical uses of the site; and
- h. general inventory of current and anticipated biological resources with emphasis on threatened and endangered species.

The SAP shall describe the sampling objectives and the rationale for the sampling approach. A detailed description of sampling tasks shall then be provided, including

specifications for sample identifiers; the type, number, and location of samples to be collected; the analyses to be performed; descriptions of sampling equipment and collection methods to be used; description of sample documentation; sample containers, collection, preservation and handling. The SAP shall describe sample custody and handling procedures, decontamination procedures, and the handling of investigative-derived wastes.

Quality Assurance Project Plan (Appendix to SAP). The City shall prepare a QAPP for RI sampling and analysis activities. The QAPP shall identify and describe laboratory methods and the QA/QC measures that will be taken during the performance of all sampling and analysis tasks to ensure the fulfillment of data quality objectives. Data quality objectives will reflect the criteria or threshold values used for remedial decisions. Laboratory methodology and QA/QC requirements shall be developed in accordance with Ecology guidance and the requirements of the Ecology Laboratory Accreditation Program and the Puget Sound Estuary Program (PSEP) and shall include the following elements:

- A brief project description, referencing the Work Plan and/or SAP for details;
- Project personnel and QA responsibilities;
- Quality assurance objectives; and
- Field QA measures, including sample acceptability criteria, field QA samples, and calibration of field instruments, referencing the SAP for a discussion of decontamination procedures and sample custody and handling.

The City shall use an Ecology-accredited laboratory for the specific analyses to be performed under this Order.

Health and Safety Plan (Appendix to SAP) - The City shall prepare a HASP for RI activities in accordance with WAC 173-340-810. The HASP must be consistent with the requirements of the Washington Industrial Safety and Health Act of 1973, Chapter 49.17 RCW, including any updates or amendments. The HASP shall identify specific monitoring and management responsibilities and activities to ensure the protection of human health activities associated with the RI.

TASK 4 REMEDIAL INVESTIGATION (RI)

The City shall conduct a remedial investigation to delineate the area requiring cleanup and to identify sources that may need to be eliminated or reduced as part of the cleanup. Key components of the RI are as follows:

- Nature and extent of contamination exceeding MTCA and SMS;
- Assessment of potential human health and ecological health concerns;
- Natural resource characterization; and
- Source Control and recontamination evaluation.

TASK 5 FEASIBILITY STUDY (FS)

The City shall use the information obtained in the RI to conduct a Feasibility Study. The FS shall include:

- Determination of cleanup standards and applicable laws;
- Identification and screening of cleanup technologies;
- Basis for assembly of cleanup action alternatives;
- Description of cleanup alternatives; and
- Comparative evaluation of cleanup alternatives.

DELIVERABLES

All plans, reports and studies listed below shall be prepared as follows: A draft shall be submitted to Ecology for review and comment; Ecology comments shall be addressed and a draft final submitted to Ecology for public review; Ecology, with assistance from the City, will prepare a Responsiveness Summary; The City will prepare a final document addressing public comments for Ecology approval. Revisions to final documents shall be in accordance with Section V of the Order. Modifications to final documents that Ecology determines are not significant will not be subject to public review.

- a) RI/FS Work Plan and Other Project Plans – The City shall submit for Ecology review and approval an RI/FS Work Plan, SAP, and QAPP in accordance with the schedule below. The HASP shall also be submitted but not approved by Ecology.

- b) RI Report – The City shall summarize and compile the results of Task 4 into an RI Report. The RI report shall follow the draft outline contained in the work plan as revised during the course of work. Revision of the outline shall require approval of Ecology.
- c) FS Report – The City shall prepare an FS in accordance with Task 5.
- d) Additional Studies – The City shall submit draft addenda to the Work Plan, SAP, and QAPP, as well as any other planning documents, reports, and other deliverables associated with any additional studies necessary as identified by Ecology, or the City, in accordance with Section IV of this Order within thirty (30) days of receipt of a written request by Ecology to prepare such documents, unless otherwise specified by Ecology.

SCHEDULE

The schedule for all tasks described in this SOW is presented below. If, at any time during the RI/FS process, unanticipated conditions or changed circumstances are discovered which may result in a schedule delay, the City shall bring such information to the attention of Ecology. Pursuant to Section V (11) of the Order, Ecology will determine whether a schedule extension is warranted.

For each and every deliverable, report, memorandum, plan, or other item required under this SOW, if Ecology disapproves or requires modification or revision of any deliverable, report, memorandum, plan, or other item, in whole or in part, the City shall submit a modified or revised version thereof to Ecology in accordance with Section IV of the Order.

Completion times are calendar days. Any deadline which falls on a holiday or weekend will be extended to next business day.

<u>RI/FS Actions</u>	<u>Completion Time</u>
Draft RI/FS Work Plan, SAP, QAPP, and HASP	60 days from effective date of Order
Draft Final RI/FS Work Plan, SAP, QAPP, and HASP	30 days from receipt of Ecology comments on Draft RI/FS Work Plan, SAP, and QAPP
Public Review of Draft Final Work Plan,	30 days minimum

SAP, QAPP, and HASP

Final Work Plan, SAP, QAPP,
and HASP30 days from the close of public
comment period

Draft RI Report

210 days from Ecology approval of Final
Work Plan, SAP, and QAPP

Draft FS Report

120 days from submission of
Draft RI ReportDraft Final RI/FS
Report30 days from receipt of Ecology
comments on draft RI/FSPublic Review of Draft
Final RI/FS Report

30 days minimum

Final RI/FS Report

60 days from the close of public
comment period